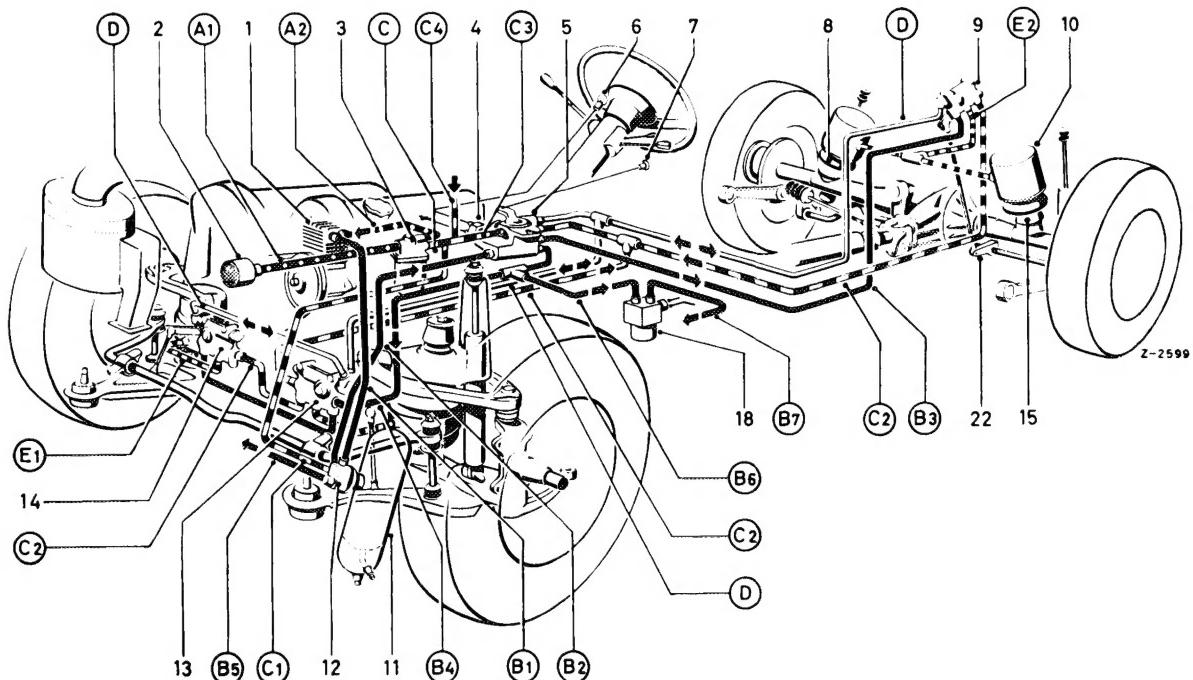


## Check condition of air suspension system

Models 100 109



### Model 100

- 1 Air compressor
- 2 Air filter
- 3 Anti-freeze device
- 4 El. pressure switch for warning lamp
- 5 Valve unit
- 6 Warning lamp (red)
- 7 Valve unit cable
- 8 Air bellows
- 9 Rear level control valve unit
- 10 Air chamber
- 11 Air reservoir tank
- 12 Pressure regulator
- 13 Front left level control valve
- 14 Front right level control valve
- 15 Air piston
- 18 Actuating valve for air horn
- 22 Torsion bar lever

- A Intake line
- B Pressure line
- C Return flow line
- D Air control line
- E Connecting line between level control valve and air suspension
- A1 Intake pipe and air release line from air filter to anti-freeze device
- A2 Intake line from anti-freeze device to air compressor
- B1 Pressure line (full operational pressure) from air compressor to pressure regulator
- B2 Pressure line (full operational pressure) from pressure regulator to valve unit
- B3 Pressure line (full operational pressure) from valve unit to level control valve on rear axle
- B4 Pressure line (reduced pressure) from valve unit to level control valves on front axle

- B5 Pressure line (full operational pressure) from pressure regulator to brake booster
- B6 Pressure line (reduced pressure) valve unit to actuating valve
- B7 Pressure line (reduced pressure) from actuating valve to air horn
- C Return flow collecting pipe to anti-freeze device
- C1 Return flow line from pressure regulator
- C2 Return flow line from level control valves to valve unit
- C3 Return flow line from valve unit
- C4 Return flow line from brake booster
- D Air control line for increased height from valve unit to level control valve
- E1 Junction line between level control valve and front axle air suspension
- E2 Junction line between level control valve and rear axle air suspension

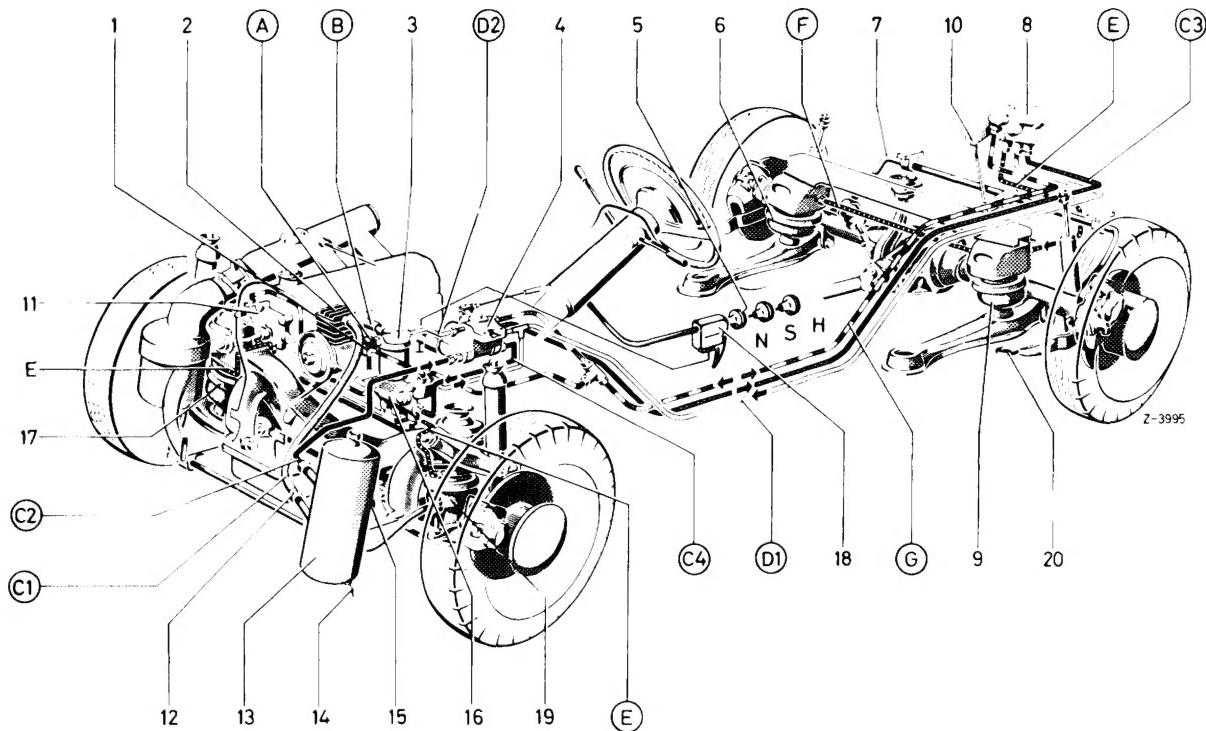
### ● Visual inspection

Check the following for leakages, chafing, dents, cracks and corrosion:

- Air filter
- Anti-freeze device
- Air compressor
- Air reservoir tank
- Pressure regulator (only on model 100)
- Valve unit
- Level control valves
- Air chambers
- Hoses and pipe lines

**Note:** Hairline cracks on the outer rubber coating of the bellows are without effect (see also job no. 676).





Model 109

- A Air suction inlet and air release
- B Air intake line from anti-freeze device to air compressor
- C1 Pressure line (full operational pressure) from air compressor to air reservoir tank
- C2 Pressure line (full operational pressure) from air reservoir tank to valve unit
- C3 Pressure line (full operational pressure) from valve unit to level control valve on rear axle
- C4 Pressure line (reduced pressure) from valve unit to level control valve on front axle
- D1 Return flow line from level control valve to valve unit
- D2 Return flow line from valve unit to anti-freeze device
- E Connection line between level control valves and air suspension
- F Compensating line between air suspension on rear axle
- G Pressure control line for increased height from valve unit to level control valves

- 1 Air filter
- 2 Air compressor
- 3 Anti-freeze device
- 4 Valve unit
- 5 Warning lamp
- 6 Air chamber on rear axle
- 7 Rear axle torsion bar
- 8 Level control valve on rear axle
- 9 Spring bellows on rear axle
- 10 Level control valve tie rod
- 11 Front right level control valve
- 12 Non-return valve
- 13 Air reservoir tank
- 14 Drain valve
- 15 Air inlet valve
- 16 Front left level control valve
- 17 Air chamber on front axle
- 18 Valve unit cable
- 19 Air bellows on front axle
- 20 Anti-dive bar